U.S. Patent and Tradema ffice; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. ROBERT W. KOCHER First Inventor

| Only for new nonprovision | Expres | s Mail Label No. | | | | |
|--|---|------------------|---|---------------------------|-------------------------------|--|
| APPLICATION ELEMENTS | | | NOCOO TO. | sistant Con x Patent A | nmissioner for Patents | |
| See MPEP chapter 600 concerning utility patent application contents. | | | | ashington. | | |
| 70 | orm (e.g., PTO/SB/17) | 7. | CD-ROM or CD-R | | | |
| 1. LX (Submit an original and a | duplicate for fee processing) | ٠٠ L | Computer Program | | | |
| Applicant claims s See 37 CFR 1.27. | | 8. Nu | cleotide and/or Amino | | | |
| 6 See 37 CFR 1.27. | | | applicable, all necessa | | | |
| 3. Specification (preferred arrangement | [Total Pages] | a. l | Computer Reada | • . | CRF) | |
| - Descriptive title | - Descriptive title of the invention | | | e Listing or | n: one | |
| Cross Reference to Related Applications Statement Regarding Fed sponsored R & D | | | | _ | n: o c 2 copies); or | |
| - Reference to se | equence listing, a table, | | ii. D paper | , | • " | |
| or a computer p - Background of | orogram listing appendix | C. | | vina identit | y of above copies | |
| - Brief Summary | of the Invention | | <u> </u> | | • | |
| | n of the Drawings (if filed) | 1 7 | ACCOMPANYING | | | |
| Detailed Descri Claim(s) | puoli | 9. [| | = | heet & document(s)) Power of | |
| - Abstract of the | Disclosure | 10. | 37 CFR 3.73(b) S (when there is an | | 1 1 | |
| 4. Drawing(s) (35 U | I.S.C. 113) [Total Sheets 0] | 11. [| English Translation | | ent <i>(if applicable</i>) | |
| 5. Oath or Declaration | [Total Pages] | 12. | 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations | | | |
| a. Newly exect | uted (original or copy) | 13. | | | | |
| Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation/divisional with Box 18 completed) | | | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) | | | |
| i. DELETION OF INVENTOR(S) | | | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) | | | |
| Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR | | | | | der 35 U.S.C. 122 | |
| 1.63(d)(2) and 1.33(b). 16. (b)(2)(B)(i). Applicant must attach form PTO/SB/3 or its equivalent. | | | | | | |
| 6. Application Data Sheet. See 37 CFR 1.76 | | | | | | |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendm nt, | | | | | | |
| or in an Application Data She | | | | · | • | |
| Continuation Divisional Continuation-in-part (CIP) of prior application No.:/ | | | | | | |
| Prior application information: | Evaminar | | Group Art Unit: | | | |
| Prior application information: Examiner Group Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under | | | | | | |
| | f the disclosure of the accompanying contin | | | | | |
| The incorporation can only be | relied upon when a portion has been inadve | rtently omit | ted from the submitted a | pplication | parts. | |
| 19. CORRESPONDENCE ADDRESS | | | | | | |
| Customer Number or Bar Co | ode Label (Inseit) @uslomer No. or Aliach b | necdellabella | or 💢 | Correspon | dence address below | |
| Name | ROBBET W. KOCH | GR. | | | | |
| | | | | | | |
| Address | 4828 3 RD STREE | r Noa | | | | |
| City | ARLINGTON | State | VA | Zip C | Code 22203 | |
| Country | | lephone | 703 528 9101 | Fá | ex 203 528 1913 | |
| | | | 1. H. H. H. H. |)///aaa4\ | 1 | |
| Name (Print/Type) | ROBBAT W. KUCHER | Reg | istration No. (Attorne | | | |
| Signature | WIRM | | - | Date | 10 AUG 2001 | |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

THE THE THE WAS CONTROL OF THE PARTY.

PTO/SB/17 (11-00)

Appro. or use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
o a collection of information unless it displays a yalid OMB control number. Under the Paperwork Reduction Act of 1995, no persons are required to r

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

| IOIAL AMOUNT OF FAIMLING | TOTAL | AMOUNT | OF PAYMENT | |
|--------------------------|-------|---------------|------------|--|
|--------------------------|-------|---------------|------------|--|

| (\$) | 355 |
|------|-----|
| | |

| Complete if Known | | | | |
|----------------------|------------------|--|--|--|
| Application Number | | | | |
| Filing Date | 10 Aug 2001 | | | |
| First Named Inv ntor | Robert W. Kocher | | | |
| Examiner Name | | | | |
| Group Art Unit | | | | |
| Attorney Docket No. | | | | |

| | METHOD OF PAYMENT | | FEE CALCULATION (continued) | | | | | |
|---------------------------|---|------------------|-----------------------------|----------------|-------------|---------------|--|----------|
| 1911 | The Commissioner is hereby authorized to charge | | 3. ADDITIONAL FEES | | | | | |
| Deposit | | ents to: | | Large Entit | | Smai Entit | | |
| Number | r L | | Fee Code | | Fee Code | Fee (\$) | Fee Description | Fee Paid |
| Deposit Account | | | 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | |
| | arge Any Additional Fee Required der 37 CFR 1.16 and 1.17 | | 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| | plicant claims small entity status. | | 139 | 130 | 139 | 130 | Non-English specification | |
| ∟ se | e 37 CFR 1.27 | *** | 147 2 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | |
| 2. 🔀 P | ayment Enclosed: | ∕ ∏ Other | 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| | U Order | Other | 113 1 | 1,840° | 113 | 1,840 | Requesting publication of SIR after | |
| \ 0 | FEE CALCULATION | | 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 1 . | C FILING FEE | | 116 | 390 | 216 | | Extension for reply within second month | |
| Fee F | intity Small Entity Fee Fee Fee Fee Description | | 117 | 890 | 217 | 445 | Extension for reply within third month | |
| Code | | Fee Paid | 118 1 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| 101 / | | 355 | 128 1 | 1,890 | 228 | 945 | Extension for reply within fifth month | |
| 106 3 | • • | —— | 119 | 310 | 219 | 155 | Notice of Appeal | |
| 107 4 | | | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 114 1 | • | | 121 | 270 | 221 | 135 | Request for oral hearing | |
| ij | r | 2 - 6 00 | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| | SUBTOTAL (1) | (\$) 355 | 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 2. EXTR | A CLAIM FEES | | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| | | ee from Fee Paid | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) | |
| Total Claims | | = | 143 | 440 | 243 | 220 | Design issue fee | |
| Independent Claims | XX | = 0 | 144 | 600 | 244 | 300 | Plant issue fee | - |
| Multiple De | pendent | = | 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| | | | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| Large En Fee Fe | tity Small Entity e Fee Fee Fee Description | 1 | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| Code (\$ 103 18 |) Code (\$) | | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 102 80 | | | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 104 270 109 80 | 209 40 ** Reissue indepen | dent claims | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 440 4 | over original pate | | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) | |
| 110 18 | 3 210 9 ** Reissue claims ii and over original | | 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |
| | SUBTOTAL (2) | (\$) 0 | Other | fee (s | pecify) | | or a acorgii apprioation | |
| **or num | ber previously paid, if greater; For Rei | ssues, see above | *Redu | iced b | y Basi | c Filing | Fee Paid SUBTOTAL (3) (\$) | 0 |

| SUBMITTED BY | | | Complete (if | applicable) |
|-------------------|------------------|--------------------------------------|--------------|---------------|
| Name (Print/Type) | ROBERT W. KONTER | Registration No. (Attorney/Agent) | Telephone | 703) 528 9101 |
| Signature | | | Date | 10 AUG 2001 |



PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OM8 control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

THE COLUMN TO THE

M

| Applicati n Number | | |
|------------------------|------------------|--|
| Filing Date | 10 AUG 2001 | |
| First Named Inventor | Robert W. Kocher | |
| Group Art Unit | | |
| Examiner Name | | |
| Attorney Docket Number | | |

| ENCLOSURES (check all that apply) | | | | | |
|---|---------|---|--|--|--|
| Fee Transmittal Form Fee Attached Amendment / Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 | | Assignment Papers (for an Application) Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) After Allowance Communication to Group of Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below): Remarks | | | |
| | SIGNATU | JRE OF APPLICANT, ATTORNEY, OR AGENT | | | |
| Firm or Individual name ROBERT W. KOCHER Signature 10 Aut 2001 | | | | | |
| CERTIFICATE OF MAILING | | | | | |

| | 10 AUF 2001 |
|--|--|
| | CERTIFICATE OF MAILING |
| I hereby certify that this correspon mail in an nvelope addressed to: | dence is being deposited with the United States Postal Service with sufficient postage as first class Commissioner for Patents, Washington, DC 20231 on this date: |
| Typed or printed name | |
| Signature | Date |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.